

ENVIROPLAS® ENV13-NC150

Polycarbonate

ENVIROPLAS®, Inc.

Message:

Injection Molding - Foaming Grade, 10% Fiberglass Reinforced,
Non-Brominated/Chlorine-Free Flame Retardant, Impact-Modified, RoHS Compliant
NC0150 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.
The ENV13 Series Products Are Available With Mold Release and/or UV Stabilizer.
Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	Impact modifier		
	Flame retardancy		
Features	Chlorine Free		
	Impact modification		
	Foamable property		
	Bromine-free		
	Flame retardancy		
Uses	Foam		
RoHS Compliance	RoHS compliance		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	55.2	MPa	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating		Internal method
1.50 mm	V-2	Internal method
3.00 mm	V-1	Internal method
Injection	Nominal Value	Unit
Drying Temperature	121	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	254 - 266	°C
Middle Temperature	293 - 310	°C
Front Temperature	293 - 310	°C
Nozzle Temperature	271 - 293	°C
Mold Temperature	73.9 - 102	°C
Injection instructions		

Recommended Drying Conditions: 4 hours @ 220 °F for Blowing Agent (Recommended 1.5%)

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Recommended distributors for this material

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